

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/689130	US-PGPUB; USPAT	OR	OFF	2006/06/07 14:14
S2	5117	rotat\$4 near6 feedback	US-PGPUB; USPAT	OR	OFF	2006/04/26 13:54
S3	395	rotat\$4 near6 feedback and input adj device	US-PGPUB; USPAT	OR	OFF	2006/04/26 13:55
S4	135	rotat\$4 near6 feedback and input adj device and feedback same (haptic force)	US-PGPUB; USPAT	OR	OFF	2006/04/26 14:22
S5	1	"5936613".pn.	US-PGPUB; USPAT	OR	OFF	2006/04/26 14:09
S6	1	((("2002149561") or ("6243080")).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/26 14:10
S7	93	rotat\$4 near6 feedback same (haptic touch force) and input adj device	US-PGPUB; USPAT	OR	OFF	2006/04/26 14:50
S8	1158	touchpad and rotat\$4	US-PGPUB; USPAT	OR	OFF	2006/04/26 14:50
S9	72	touchpad and rotat\$4 same feedback	US-PGPUB; USPAT	OR	OFF	2006/04/26 14:50
S10	31	touchpad and rotat\$4 same feedback same (force haptic touch)	US-PGPUB; USPAT	OR	OFF	2006/04/26 15:02
S11	130	(touchpad touch adj screen touch adj pad) and rotat\$4 same feedback same (force haptic touch)	US-PGPUB; USPAT	OR	OFF	2006/04/26 14:51
S12	2	((("5734373") or ("6154201")).PN.	USPAT; USOCR	OR	OFF	2006/04/26 15:04
S13	56	touchpad near10 rotat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/26 15:11
S14	16	touchpad near10 rotat\$5 and feedback	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/26 15:10
S15	10	touchpad near10 rotat\$5 and feedback same (haptic touch force)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/26 15:10
S16	2084298	(circular\$4 rota\$6)	US-PGPUB; USPAT	OR	OFF	2006/05/31 13:31
S17	1615414	(haptic force feedback vibration sensation palpation)	US-PGPUB; USPAT	OR	OFF	2006/05/31 13:31
S18	153187	S16 near4 S17	US-PGPUB;	OR	OFF	2006/05/31

			USPAT			13:31
S19	36811	(touchpad touch adj screen touch adj sensor)	US-PGPUB; USPAT	OR	OFF	2006/05/31 13:32
S20	922	S18 and S19	US-PGPUB; USPAT	OR	OFF	2006/05/31 13:32
S21	30	S18 same S19	US-PGPUB; USPAT	OR	OFF	2006/05/31 13:32
S23	7	((("3198293") or ("3812936") or ("6315088") or ("6854573") or ("6864620") or ("20040206611"))),PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/05 16:39
S24	26	rotation near6 feedback same haptic	US-PGPUB; USPAT	OR	OFF	2006/06/05 16:39
S25	40	rotation\$2 near6 feedback same haptic	US-PGPUB; USPAT	OR	OFF	2006/06/05 16:39
S26	43	rotation\$2 same feedback same haptic and linear same feedback same haptic	US-PGPUB; USPAT	OR	OFF	2006/06/06 15:46
S27	14	rotation\$2 same feedback same haptic and linear same feedback same haptic and touch	US-PGPUB; USPAT	OR	OFF	2006/06/06 15:46
S28	14	(rotation\$2 same feedback same haptic) and (linear same feedback same haptic) and touch	US-PGPUB; USPAT	OR	OFF	2006/06/06 15:50
S29	50	rotation\$2 same linear same haptic	US-PGPUB; USPAT	OR	OFF	2006/06/06 15:50
S30	26	rotation\$2 same linear same haptic same feedback	US-PGPUB; USPAT	OR	OFF	2006/06/06 15:54
S31	12	09/049155	US-PGPUB; USPAT	OR	OFF	2006/06/07 12:54
S32	2087876	(circular\$4 rota\$6)	US-PGPUB; USPAT	OR	OFF	2006/06/07 13:41
S33	1618456	(haptic force feedback vibration sensation palpation)	US-PGPUB; USPAT	OR	OFF	2006/06/07 13:41
S34	153487	S32 near4 S33	US-PGPUB; USPAT	OR	OFF	2006/06/07 13:41
S35	36982	(touchpad touch adj screen touch adj sensor)	US-PGPUB; USPAT	OR	OFF	2006/06/07 13:41
S36	30	S34 same S35	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/07 13:56
S37	558	E-core	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/07 13:56
S38	202	E-core and rotat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/07 13:57
S39	18	E-core and rotat\$4 and haptic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/07 13:57

S40	5	E-core same rotat\$4 and haptic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/07 13:57
S41	5	E-core same rotat\$7 and haptic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/07 13:57
S42	13	09/504201	US-PGPUB; USPAT	OR	OFF	2006/06/07 14:16
S43	5454	vibration and eccentric near4 rotat\$5	US-PGPUB; USPAT	OR	OFF	2006/06/07 14:17
S44	53	vibration and eccentric near4 rotat\$5 and haptic	US-PGPUB; USPAT	OR	OFF	2006/06/07 14:17
S45	1	vibration and eccentric near4 rotat\$5 and haptic and end-stops	US-PGPUB; USPAT	OR	OFF	2006/06/07 14:17
S46	23	vibration and eccentric near4 rotat\$5 and haptic and stops	US-PGPUB; USPAT	OR	OFF	2006/06/07 14:17
S47	44	((("2972140") or ("3157853") or ("3220121") or ("3497668") or ("3517446") or ("3623064") or ("3902687") or ("3903614") or ("3911416") or ("4127752") or ("4160508") or ("4236325") or ("4262549") or ("4333070") or ("4464117") or ("4484191") or ("4513235") or ("4581491") or ("4599070") or ("4708656") or ("4713007") or ("4758165") or ("4722205") or ("4794392") or ("4885565") or ("4891764") or ("4826879") or ("4930770") or ("4934694") or ("5019761") or ("5022384") or ("5022407") or ("5035242") or ("5038089") or ("5078152") or ("5121091") or ("5165897") or ("5175459") or ("5186695")).PN.	USPAT; USOOR	OR	OFF	2006/06/08 09:46
S48	40	((("5212473") or ("5240417") or ("5271290") or ("5275174") or ("5283970") or ("5299810") or ("5302132") or ("5309140") or ("5334027") or ("5389849") or ("5436622") or ("5437607") or ("5461711") or ("5466213") or ("5547382") or ("5575761") or ("5600777") or ("5638060") or ("5719561") or ("5736978") or ("5766016") or ("5785630") or ("5877995") or ("5917906") or ("5977867") or ("6008800") or ("6067081") or ("6081536") or ("6111577") or ("6118435") or ("6140987") or ("6151332") or ("6160489") or ("6198206") or ("6215778") or ("6218966") or ("6219034") or ("6236647") or ("6243080") or ("6262717")).PN.	USPAT; USOOR	OR	OFF	2006/06/08 09:49
S49	40	((("6307465") or ("6326901") or	US-PGPUB;	OR	OFF	2006/06/08

		("6337678") or ("6373463") or ("6388655") or ("6388999") or ("6414674") or ("6422941") or ("6429846") or ("6445284") or ("6469695") or ("6487421") or ("6509892") or ("6518958") or ("6535201") or ("6628195") or ("6636202") or ("6639582") or ("6647145") or ("20010035854") or ("20020033795") or ("20020149570") or ("20020156807") or ("20030006892") or ("20030016211") or ("20030022701") or ("20030025679") or ("20030030628") or ("20030038776") or ("20030048260") or ("20030058265") or ("20030067449") or ("20030071795") or ("20030095105") or ("20030128191") or ("20030128192") or ("20030151598") or ("20030174121") or ("20030179190") or ("20020149561").PN.	USPAT			09:52
S50	42213	(touchpad touch near2 panel touch near2 area)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/13 11:18
S51	8932	(haptic force) near4 feedback	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/13 11:18
S52	8932	(haptic force) near4 feedback	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/13 16:19
S53	42213	(touchpad touch near2 panel touch near2 area)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/13 16:19
S54	215	S52 and S53	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/13 16:19
S55	7	((("3198293") or ("3812936") or ("6135088") or ("6854573") or ("6864620") or ("20040206611")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/22 11:19
S56	39	((("3157853") or ("3220121") or ("3497668") or ("3517446") or ("3795150") or ("3902687") or ("3903614") or ("4160508") or ("4236325") or ("4262240") or ("4400790") or ("4513235") or	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/22 11:24

		("4553080") or ("4560983") or ("4581491") or ("4599070") or ("4652805") or ("4706294") or ("4708656") or ("4713007") or ("4758165") or ("4823106") or ("4859922") or ("4868549") or ("4891764") or ("4930770") or ("4934694") or ("4947097") or ("5019761") or ("5022407") or ("5034242") or ("5038089") or ("5078152") or ("5086296") or ("5116051")).PN.				
S57	35	((("5116180") or ("5185561") or ("5186695") or ("5187630") or ("5189355") or ("5191320") or ("5212473") or ("5220260") or ("5240417") or ("5270689") or ("5270290") or ("5275174") or ("5299810") or ("5309140") or ("5334027") or ("5368484") or ("5381080") or ("5382373") or ("5396266") or ("5466213") or ("5492312") or ("5542672") or ("5547382") or ("5559432") or ("5577581") or ("5578238") or ("5580249") or ("5591082") or ("5665946") or ("5683615") or ("5705085") or ("5711746") or ("5714978") or ("5721566") or ("5730655"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/22 11:26
S58	1	"20020033795".pn.	US-PGPUB; USPAT	OR	OFF	2006/11/22 15:00
S59	98	(touchpad "touch pad") near5 rotat\$4	US-PGPUB; USPAT	OR	OFF	2006/11/22 15:01
S60	1	"6822635".pn.	US-PGPUB; USPAT	OR	OFF	2006/11/27 08:36
S61	1	"6128006".pn.	US-PGPUB; USPAT	OR	OFF	2006/11/27 08:46
S62	1	"20020033795"	US-PGPUB; USPAT	OR	OFF	2006/11/27 08:46
S63	8785	(force haptic) near3 feedback	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 15:18
S64	80142	(touchpad touch near3 screen touch near3 sensor touch near3 pad)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 15:19
S65	631	S63 and S64	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 15:19

S66	399	S65 and rotat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/27 15:19
S67	407	S65 and (rotate\$2 rotation\$3 rotating)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/02 13:52
S68	2	"20060071917"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/02 13:54
S69	7	((("3198293") or ("3812936") or ("6315088") or ("6854573") or ("6864620") or ("20040206611")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/02 13:54
S70	8	touchpad and bushing and slot and pin	US-PGPUB; USPAT	OR	OFF	2011/05/10 14:08
S71	36	touchpad and bushing	US-PGPUB; USPAT	OR	OFF	2011/05/10 14:09
S72	77	circular near3 touchpad	US-PGPUB; USPAT	OR	OFF	2011/05/10 15:35
S73	6128	apple.as.	US-PGPUB; USPAT	OR	OFF	2011/05/10 15:41
S74	524	apple.as. and (touchpad touch near3 sensor)	US-PGPUB; USPAT	OR	OFF	2011/05/10 15:41
S75	139	apple.as. and (touchpad touch near3 sensor) and circular	US-PGPUB; USPAT	OR	OFF	2011/05/10 15:41
S76	366	("20010011991"   "20010043545"   "20010050673"   "20010051046"   "20020030665"   "20020033848"   "20020089545"   "20020118169"   "20020154090"   "20020158844"   "20020164156"   "20020180701"   "20030043121"   "20030050092"   "20030076301"   "20030076303"   "20030095096"   "20030098851"   "20040239622"   "20040252109"   "4110749"   "4264903"   "4719524"   "4736191"   "4866602"   "4917516"   "5125077"   "5179648"   "5186646"   "5237311"   "5339213"   "5404152"   "5414445"   "5438331"   "5473343"   "5473344"   "5495566"   "5559943"   "5561445"   "5565887"   "5578817"   "5585823"   "5596347"   "5598183"   "5611040"   "5611060"   "5726687"   "5729219"   "5730165"   "5748185"   "5751274"   "5754890"   "5786818"   "5808602"   "5825353"   "5828364"   "5838304"   "5850213"   "5856822"   "5883619"   "5889236"   "5903229"	OR	OFF	2011/05/10 15:42	

		"5907152"   "5907318"   "5909211"   "5914706"   "5956019"   "5959611"   "6002389"   "6005299"   "6031518"   "6075533"   "6084574"   "6097372"   "6124587"   "6128006"   "6163312"   "6166721"   "6179496"   "6181322"   "6188393"   "6191774"   "6198473"   "6211861"   "6219038"   "6225976"   "6225980"   "6243078"   "6256011"   "6262717"   "6266050"   "6297795"   "6323845"   "6340800"   "6373470"   "6377530"   "6429852"   "6587091"   "6636197"   "6639584"   "6650975"   "6677927"   "6686904"   "6703550"   "6724817"   "6738045"   "6791533"   "6795057"   "6844872"   "D349280"   "D362431"   "D382550"   "D385542"   "D402281"   "D442592"   "D443616"   "D454568").PN. OR ("7046230").URPN.				
S77	60	("3814871"   "4868353"   "4910503"   "4982618"   "5221093"   "5270689"   "5283401"   "5504286"   "5521617"   "5563630"   "5563631"   "5899204"   "5912663"   "5914703"   "5936613"   "5956016"   "5963197"   "5982355"   "6005299").PN. OR ("6225980").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/05/16 09:29
S78	12	("5952628"   "6003367"   "6124555"   "6184480"   "6225980"   "6369692"   "6720504"   "6864679"   "7091430"   "7297882"   "7342187"   "7352174").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/05/16 10:01
S79	350	rotary near3 (switch sensor) and (haptic force) near3 feedback	US-PGPUB; USPAT; USOCR	OR	OFF	2011/05/16 10:06
S80	193	rotary near3 (switch sensor) and (haptic force) near3 feedback and button	US-PGPUB; USPAT; USOCR	OR	OFF	2011/05/16 10:06
S81	216	rotary near3 (switch sensor) and (haptic force) near3 feedback and button\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2011/05/16 10:06
S82	1	"20090059481"	US-PGPUB; USPAT	OR	OFF	2011/05/16 11:17
S89	427	("1061578"   "20010011991"   "20010033270"   "20010043545"   "20010050673"   "20010051046"   "20020011993"   "20020027547"   "20020030665"   "20020033848"   "20020039493"   "20020045960"   "20020071550"   "20020089545"   "20020103796"   "20020118131"   "20020118169"   "20020145594"   "20020154090"   "20020158844"   "20020164156"   "20020180701"   "20020196239"   "20030002246"   "20030025679"   "20030028346"   "20030043121"   "20030043174"   "20030050092"   "20030076301"   "20030076303"   "20030076306"   "20030091377"   "20030095095"   "20030095096"   "20030098851"   "20030103043"   "20030184517"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/05/20 09:34

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"6497412"	"6546231"	"6587091"
"6606244"	"6618909"	"6636197"
"6639584"	"6640250"	"6650975"
"6664951"	"6677927"	"6686904"
"6703550"	"6724817"	"6727889"
"6738045"	"6750803"	"6781576"
"6788288"	"6791533"	"6795057"
"6844872"	"6865718"	"6886842"
"6894916"	"6922189"	"6930494"

"6977808"	"6978127"	"7006077"
"7046230"	"7069044"	"7084856"
"7113196"	"7119792"	"7215319"
"7233318"	"7236154"	"7253643"
"7279647"	"7310089"	"7312785"
"7382139"	"7394038"	"7395081"
"7397467"	"7439963"	"7466307"
"7502016"	"7503193"	"7593782"
"7645955"	"D264969"	"D349280"
"D362431"	"D382550"	"D385542"
"D402281"	"D412940"	"D430169"
"D437860"	"D442592"	"D443616"
"D448810"	"D450713"	"D452250"
"D454568"	"D455793"	"D468365"
"D469109"	"D472245"	"D483809"
"D489731"	"D497618"	
"D506476".FN.		

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S83	2214	((rotary rotation rotational) and actuator and (button knob touch-sensitive touch-sensor touchpad)).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2011/05/16 10:43
S84	1212	((rotary rotation rotational) same actuator and (button knob touch-sensitive touch-sensor touchpad)).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2011/05/16 10:43
S85	759	((rotary rotation rotational) near6 actuator and (button knob touch-sensitive touch-sensor touchpad)).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2011/05/16 10:43
S86	17	((rotary rotation rotational) near6 actuator and (button knob touch-sensitive touch-sensor touchpad) and bushing).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2011/05/16 10:43
S87	1	((rotary rotation rotational) near6 actuator and (touch-sensitive touch-sensor touchpad) and bushing).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2011/05/16 10:44
S88	14	((rotary rotation rotational) near6 actuator and (touch-sensitive touch-sensor touchpad)).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2011/05/16 10:44

9/ 7/ 2011 12:35:27 PM

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